

WHOLE NUMBER MODULE

I. Adding Whole Numbers

II. Subtracting Whole Numbers

III. Multiplying Whole Numbers

IV. Dividing Whole Numbers

I. Adding Whole Numbers.

Introduction: This is the first of four parts on working with whole numbers. You're going to look at an example on how to add whole numbers. Afterwards, you're going to try to do some problems on your own. There will be 20 problems for you to practice. After you're successful in doing the practice problems, try the short quiz. The answers can be found at the end of each section.

A) Example: Add

$$\begin{array}{r} 496 \\ + \underline{38} \end{array}$$

Step 1: Add 6 to 8 giving 14. Write 4 in the ones place and carry 1.

$$\begin{array}{r} 1 \longrightarrow \text{carried 1 from 14} \\ 496 \\ + \underline{38} \\ 4 \end{array}$$

Step 2: Add carried 1 to 9 and 3 giving 13. Write 3 in the tens place and carry 1.

$$\begin{array}{r} 1 \longrightarrow \text{carried 1 from 13} \\ 496 \\ + \underline{38} \\ 34 \end{array}$$

Step 3: Add carried 1 to 4 giving 5. Write 5 in the hundreds place.

$$\begin{array}{r} 496 \\ + \underline{38} \\ \mathbf{534} \longrightarrow \text{this is the final answer} \end{array}$$

B) You Try:

a)
$$\begin{array}{r} 536 \\ + \underline{49} \end{array}$$

b)
$$\begin{array}{r} 674 \\ + \underline{359} \end{array}$$

Answers to B "You Try": a) 585 b) 1033

C) Practice Problems.

Do the following addition problems:

$$\begin{array}{r} 1) \quad 280 \\ \quad + 128 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 263 \\ \quad + 94 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 361 \\ \quad + 179 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 459 \\ \quad + 277 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 380 \\ \quad + 277 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 406 \\ \quad + 120 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 184 \\ \quad + 161 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 101 \\ \quad + 129 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 292 \\ \quad + 283 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 450 \\ \quad + 249 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 137 \\ \quad + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 433 \\ \quad + 172 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 163 \\ \quad + 95 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 367 \\ \quad + 101 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 250 \\ \quad + 203 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 119 \\ \quad + 156 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 177 \\ \quad + 253 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 286 \\ \quad + 120 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 234 \\ \quad + 204 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 202 \\ \quad + 67 \\ \hline \end{array}$$

Answers to C "Practice Problems": 1) 408; 2) 357; 3) 540; 4) 736; 5) 657; 6) 526; 7) 346; 8) 230; 9) 575; 10) 699; 11) 169; 12) 605; 13) 258; 14) 468; 15) 453; 16) 275; 17) 430; 18) 406; 19) 438; 20) 269

D) Quiz.

Add:

$$\begin{array}{r} 1) \quad 286 \\ + 150 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 649 \\ + 72 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 197 \\ + 53 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 123 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 171 \\ + 77 \\ \hline \end{array}$$

Answers to D "Quiz": 1) 436; 2) 721; 3) 250; 4) 165; 5) 248

II. Subtracting Whole Numbers.

Introduction: This is the second of four parts on working with whole numbers. You're going to look at an example on how to subtract whole numbers. Afterwards, you're going to try to do some problems on your own. There will be 20 problems for you to practice. After you're successful in doing the practice problems, try the short quiz. The answers can be found at the end of each section.

A) **Example:** Subtract

$$\begin{array}{r} 324 \\ -146 \\ \hline \end{array}$$

Step 1: Borrow 1 ten from 2 tens by crossing out the 2 and placing the 1 above the 2. Then cross out the 4 and place the 14 above the 4. Subtract 6 from 14 giving 8. Write 8 in the ones place.

$$\begin{array}{r} 114 \\ 3\cancel{2}4 \\ -14\cancel{6} \\ \hline 8 \end{array}$$

Step 2: Borrow 1 hundred from 3 hundreds by crossing out the 3 and placing the 2 above the 3. Then cross out the 1 and place the 11 above the 1. Subtract 4 from 11 giving 7. Write 7 in tens place.

$$\begin{array}{r} 11 \\ 2\cancel{1}14 \\ 3\cancel{2}4 \\ -14\cancel{6} \\ \hline 78 \end{array}$$

Step 3: Subtract 1 from 2 giving 1. Write 1 in hundreds place.

$$\begin{array}{r} 11 \\ 2\cancel{1}14 \\ 3\cancel{2}4 \\ -14\cancel{6} \\ \hline 178 \end{array} \longrightarrow \text{this is the final answer}$$

B) You Try:

a)
$$\begin{array}{r} 966 \\ -177 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 500 \\ -43 \\ \hline \end{array}$$

Answers to B "You Try": a) 789 b) 457

C) Practice Problems.

Do the following subtraction problems:

$$\begin{array}{r} 1) \quad 128 \\ \quad -110 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 116 \\ \quad - 83 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 306 \\ \quad - 46 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 372 \\ \quad - 40 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 284 \\ \quad - 49 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 145 \\ \quad - 99 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 311 \\ \quad - 78 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 207 \\ \quad - 99 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 426 \\ \quad - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 179 \\ \quad - 77 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 497 \\ \quad -109 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 173 \\ \quad -150 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 270 \\ \quad -141 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 147 \\ \quad - 53 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 220 \\ \quad - 29 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 441 \\ \quad - 84 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 114 \\ \quad - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 420 \\ \quad - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 468 \\ \quad -165 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 453 \\ \quad -152 \\ \hline \end{array}$$

Answers to C "Practice Problems": 1) 18; 2) 33; 3) 260; 4) 332; 5) 235; 6) 46; 7) 233; 8) 108; 9) 401; 10) 102; 11) 388; 12) 23; 13) 129; 14) 94; 15) 191; 16) 357; 17) 100; 18) 400; 19) 303; 20) 301

D) QUIZ.

Subtract:

$$\begin{array}{r} 1) \quad 164 \\ \quad -150 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 721 \\ \quad -169 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 932 \\ \quad -87 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 238 \\ \quad -199 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 567 \\ \quad -78 \\ \hline \end{array}$$

Answers to D "Quiz": 1) 21; 2) 552; 3) 845; 4) 39; 5) 489

III. Multiplying Whole Numbers.

Introduction: This is the third of four parts on working with whole numbers. First, review your times table skills. Then you're going to look at an example on how to multiply whole numbers. Afterwards, you're going to try to do some problems on your own. There will be 20 problems for you to practice. After you're successful in doing the practice problems, try the short quiz. The answers can be found at the end of each section.

A) Review Times Table.

Do the following multiplication problems without using the times table.

1)
$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

11)
$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

13)
$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

14)
$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

15)
$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

16)
$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

17)
$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

18)
$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

19)
$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

20)
$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 21) \quad 7 \\ \quad \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 22) \quad 3 \\ \quad \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 23) \quad 5 \\ \quad \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 24) \quad 4 \\ \quad \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 25) \quad 9 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 26) \quad 2 \\ \quad \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 27) \quad 4 \\ \quad \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 28) \quad 5 \\ \quad \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 29) \quad 7 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 30) \quad 3 \\ \quad \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 31) \quad 5 \\ \quad \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 32) \quad 4 \\ \quad \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 33) \quad 3 \\ \quad \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 34) \quad 2 \\ \quad \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 35) \quad 6 \\ \quad \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 36) \quad 2 \\ \quad \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 37) \quad 2 \\ \quad \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 38) \quad 6 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 39) \quad 9 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 40) \quad 8 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 41) \quad 9 \\ \quad \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 42) \quad 2 \\ \quad \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 43) \quad 6 \\ \quad \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 44) \quad 3 \\ \quad \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 45) \quad 6 \\ \quad \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 46) \quad 2 \\ \quad \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 47) \quad 9 \\ \quad \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 48) \quad 7 \\ \quad \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 49) \quad 4 \\ \quad \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 50) \quad 4 \\ \quad \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 51) \quad 8 \\ \quad \underline{\times 4} \end{array}$$

$$\begin{array}{r} 52) \quad 9 \\ \quad \underline{\times 7} \end{array}$$

$$\begin{array}{r} 53) \quad 2 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 54) \quad 3 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 55) \quad 6 \\ \quad \underline{\times 5} \end{array}$$

$$\begin{array}{r} 56) \quad 7 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 57) \quad 7 \\ \quad \underline{\times 5} \end{array}$$

$$\begin{array}{r} 58) \quad 2 \\ \quad \underline{\times 2} \end{array}$$

$$\begin{array}{r} 59) \quad 8 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 60) \quad 6 \\ \quad \underline{\times 7} \end{array}$$

$$\begin{array}{r} 61) \quad 8 \\ \quad \underline{\times 4} \end{array}$$

$$\begin{array}{r} 62) \quad 9 \\ \quad \underline{\times 8} \end{array}$$

$$\begin{array}{r} 63) \quad 3 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 64) \quad 8 \\ \quad \underline{\times 8} \end{array}$$

$$\begin{array}{r} 65) \quad 4 \\ \quad \underline{\times 7} \end{array}$$

$$\begin{array}{r} 66) \quad 9 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 67) \quad 9 \\ \quad \underline{\times 2} \end{array}$$

$$\begin{array}{r} 68) \quad 3 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 69) \quad 4 \\ \quad \underline{\times 4} \end{array}$$

$$\begin{array}{r} 70) \quad 3 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 71) \quad 5 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 72) \quad 6 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 73) \quad 5 \\ \quad \underline{\times 5} \end{array}$$

$$\begin{array}{r} 74) \quad 8 \\ \quad \underline{\times 5} \end{array}$$

$$\begin{array}{r} 75) \quad 5 \\ \quad \underline{\times 8} \end{array}$$

$$\begin{array}{r} 76) \quad 4 \\ \quad \underline{\times 7} \end{array}$$

$$\begin{array}{r} 77) \quad 6 \\ \quad \underline{\times 4} \end{array}$$

$$\begin{array}{r} 78) \quad 5 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 79) \quad 9 \\ \quad \underline{\times 7} \end{array}$$

$$\begin{array}{r} 80) \quad 3 \\ \quad \underline{\times 8} \end{array}$$

$$\begin{array}{r} 81) \quad 7 \\ \quad \underline{\times 7} \end{array}$$

$$\begin{array}{r} 82) \quad 7 \\ \quad \underline{\times 4} \end{array}$$

$$\begin{array}{r} 83) \quad 6 \\ \quad \underline{\times 2} \end{array}$$

$$\begin{array}{r} 84) \quad 5 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 85) \quad 8 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 86) \quad 9 \\ \quad \underline{\times 8} \end{array}$$

$$\begin{array}{r} 87) \quad 8 \\ \quad \underline{\times 6} \end{array}$$

$$\begin{array}{r} 88) \quad 3 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 89) \quad 9 \\ \quad \underline{\times 5} \end{array}$$

$$\begin{array}{r} 90) \quad 7 \\ \quad \underline{\times 4} \end{array}$$

$$\begin{array}{r} 91) \quad 3 \\ \quad \underline{\times 4} \end{array}$$

$$\begin{array}{r} 92) \quad 2 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 93) \quad 9 \\ \quad \underline{\times 2} \end{array}$$

$$\begin{array}{r} 94) \quad 6 \\ \quad \underline{\times 6} \end{array}$$

$$\begin{array}{r} 95) \quad 5 \\ \quad \underline{\times 4} \end{array}$$

$$\begin{array}{r} 96) \quad 8 \\ \quad \underline{\times 6} \end{array}$$

$$\begin{array}{r} 97) \quad 8 \\ \quad \underline{\times 5} \end{array}$$

$$\begin{array}{r} 98) \quad 7 \\ \quad \underline{\times 8} \end{array}$$

$$\begin{array}{r} 99) \quad 5 \\ \quad \underline{\times 7} \end{array}$$

$$\begin{array}{r} 100) \quad 9 \\ \quad \underline{\times 3} \end{array}$$

Answers to A "Review Times Table": 1) 48; 2) 27; 3) 24; 4) 32; 5) 28; 6) 14; 7) 48; 8) 18; 9) 42; 10) 6; 11) 63; 12) 9; 13) 6; 14) 56; 15) 56; 16) 25; 17) 12; 18) 9; 19) 14; 20) 6; 21) 56; 22) 6; 23) 45; 24) 20; 25) 27; 26) 4; 27) 16; 28) 45; 29) 21; 30) 6; 31) 30; 32) 24; 33) 21; 34) 16; 35) 48; 36) 12; 37) 14; 38) 18; 39) 27; 40) 24; 41) 54; 42) 6; 43) 36; 44) 27; 45) 48; 46) 16; 47) 81; 48) 28; 49) 28; 50) 8; 51) 32; 52) 63; 53) 6; 54) 27; 55) 30; 56) 63; 57) 35; 58) 4; 59) 24; 60) 42; 61) 32; 62) 72; 63) 9; 64) 64; 65) 28; 66) 81; 67) 18; 68) 9; 69) 16; 70) 27; 71) 45; 72) 54; 73) 25; 74) 40; 75) 40; 76) 28; 77) 24; 78) 15; 79) 63; 80) 24; 81) 49; 82) 28; 83) 12; 84) 15; 85) 72; 86) 72; 87) 48; 88) 9; 89) 45; 90) 28; 81) 12; 92) 18; 93) 18; 94) 36; 95) 20; 96) 48; 97) 40; 98) 56; 99) 35; 100) 27

B) Example: Multiply

$$\begin{array}{r} 87 \\ \times 4 \\ \hline \end{array}$$

Step 1: 4 times 7 equals 28. Write 8 in the ones place and carry 2.

$$\begin{array}{r} 2 \longrightarrow \text{carried 2 from 28} \\ 87 \\ \times 4 \\ \hline 8 \end{array}$$

Step 2: 4 times 8 equals 32. Add 32 to the carried 2 giving 34. Write 4 in the tens place and 3 in the hundreds place

$$\begin{array}{r} 2 \\ 87 \\ \times 4 \\ \hline 348 \longrightarrow \text{this is the final answer} \end{array}$$

C) You Try:

a)
$$\begin{array}{r} 76 \\ \times 8 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 49 \\ \times 5 \\ \hline \end{array}$$

Answers to C "You Try": a) 698 b) 245

D) Practice Problems.

Do the following multiplication problems without using the times table:

1)
$$\begin{array}{r} 42 \\ \times 2 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 25 \\ \times 8 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 97 \\ \times 8 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 82 \\ \times 7 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 42 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 20 \\ \quad \underline{\times 5} \end{array}$$

$$\begin{array}{r} 7) \quad 15 \\ \quad \underline{\times 5} \end{array}$$

$$\begin{array}{r} 8) \quad 43 \\ \quad \underline{\times 6} \end{array}$$

$$\begin{array}{r} 9) \quad 61 \\ \quad \underline{\times 6} \end{array}$$

$$\begin{array}{r} 10) \quad 12 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 11) \quad 29 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 12) \quad 66 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 13) \quad 46 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 14) \quad 55 \\ \quad \underline{\times 8} \end{array}$$

$$\begin{array}{r} 15) \quad 68 \\ \quad \underline{\times 9} \end{array}$$

$$\begin{array}{r} 16) \quad 24 \\ \quad \underline{\times 2} \end{array}$$

$$\begin{array}{r} 17) \quad 18 \\ \quad \underline{\times 8} \end{array}$$

$$\begin{array}{r} 18) \quad 19 \\ \quad \underline{\times 5} \end{array}$$

$$\begin{array}{r} 19) \quad 92 \\ \quad \underline{\times 7} \end{array}$$

$$\begin{array}{r} 20) \quad 40 \\ \quad \underline{\times 8} \end{array}$$

Answers to D "Practice problems": 1) 84; 2) 200; 3) 776; 4) 574; 5) 126; 6) 100; 7) 75; 8) 258; 9) 366; 10) 108; 11) 87; 12) 198; 13) 138; 14) 440; 15) 612; 16) 48; 17) 144; 18) 95; 19) 644; 20) 320

E) Quiz.

Multiply:

$$\begin{array}{r} 1) \quad 98 \\ \quad \underline{\times 2} \end{array}$$

$$\begin{array}{r} 2) \quad 21 \\ \quad \underline{\times 6} \end{array}$$

$$\begin{array}{r} 3) \quad 16 \\ \quad \underline{\times 3} \end{array}$$

$$\begin{array}{r} 4) \quad 85 \\ \quad \underline{\times 8} \end{array}$$

$$\begin{array}{r} 5) \quad 30 \\ \quad \underline{\times 4} \end{array}$$

Answers to Quiz: 1) 196; 2) 126; 3) 485; 4) 680; 5) 120

IV. Dividing Whole Numbers (without remainder).

Introduction: This is the fourth of four parts on working with whole numbers. You're going to look at an example on how to divide whole numbers. Afterwards, you're going to try to do some problems on your own without using the times table. There will be 40 problems for you to practice. After you're successful in doing the practice problems, try the short quiz. The answers can be found at the end of each section.

A) Example: Divide $243 \div 9$

Step 1: Rewrite the problem as $9 \overline{)243}$ \rightarrow this is the quotient where the answer is placed

Step 2: (Think: 9 times what number is close to 24?) $9 \times 2 = 18$ which is close to 24. Place the 2 above the 4. Then subtract 18 from 24 giving 6. Bring down the 3 from 243.

$$\begin{array}{r} 2 \\ 9 \overline{)243} \\ \underline{-18} \\ 6 \end{array} \quad \begin{array}{l} \rightarrow (9 \times 2 = 18) \\ \rightarrow \text{subtract 18 from 24} \end{array}$$

Step 3: (Think: 9 times what number is equal to 63?) $9 \times 7 = 63$. Place the 7 to the right of the 2 in the quotient. Then subtract 63 from 63 giving 0. So $243 \div 9 = 27$

$$\begin{array}{r} 27 \rightarrow \text{this is your final answer} \\ 9 \overline{)243} \\ \underline{-18} \\ 63 \\ \underline{-63} \\ 0 \end{array} \quad \begin{array}{l} \rightarrow (9 \times 7 = 63) \\ \rightarrow \text{subtract 63 from 63} \end{array}$$

B) You try:

a) $301 \div 7$

b) $228 \div 6$

Answers to B "You Try": a) 43 b) 38

C) Practice Problems.

Do the following division problems without using the times table:

1) $494 \div 2$ 2) $594 \div 9$ 3) $234 \div 9$ 4) $448 \div 4$

5) $414 \div 9$ 6) $215 \div 5$ 7) $562 \div 2$ 8) $309 \div 3$

9) $630 \div 7$ 10) $528 \div 8$ 11) $413 \div 7$ 12) $249 \div 3$

13) $678 \div 3$ 14) $626 \div 2$ 15) $550 \div 5$ 16) $642 \div 2$

17) $255 \div 5$ 18) $412 \div 2$ 19) $100 \div 4$ 20) $75 \div 3$

Answers to C "Practice Problems": 1) 247; 2) 66; 3) 26; 4) 112; 5) 46; 6) 43; 7) 281; 8) 103; 9) 90; 10) 66; 11) 59; 12) 83; 13) 226; 14) 313; 15) 110; 16) 3215; 17) 51; 18) 206; 19) 25; 20) 25

D) Quiz.

Divide:

1) $530 \div 5$

2) $594 \div 8$

3) $668 \div 4$

4) $105 \div 5$

5) $685 \div 5$

Answers to D "Quiz": 1) 106; 2) 73; 3) 167; 4) 21; 5) 137

E. More Practice Problems on Division of Whole Numbers.

Do the following division problems without using the times table.

1) $7 \overline{)679}$

2) $2 \overline{)562}$

3) $2 \overline{)566}$

4) $7 \overline{)175}$

5) $6 \overline{)630}$

6) $7 \overline{)119}$

7) $2 \overline{)326}$

8) $7 \overline{)700}$

9) $8\overline{)688}$

10) $2\overline{)58}$

11) $4\overline{)616}$

12) $2\overline{)620}$

13) $7\overline{)343}$

14) $2\overline{)298}$

15) $2\overline{)614}$

16) $2\overline{)622}$

17) $4\overline{)420}$

18) $3\overline{)369}$

19) $3\overline{)327}$

20) $2\overline{)410}$

Answers to E “More Practice Problems”: 1) 97; 2) 281; 3) 283; 4) 25; 5) 105; 6) 17; 7) 163; 8) 100; 9) 86; 10) 29; 11) 154; 12) 310; 13) 49; 14) 149; 15) 307; 16) 311; 17) 105; 18) 123; 19) 109; 20) 205

F. Quiz.

Divide:

1) $5\overline{)515}$

2) $2\overline{)296}$

3) $8\overline{)128}$

4) $6\overline{)498}$

5) $3\overline{)342}$

Answers to F “Quiz”: 1) 103; 2) 148; 3) 16; 4) 83; 5) 114