

PROMOTION TEST

If you can do the exercises on this page and on page 256, you are ready for the next grade.

Find the answers to the following. In ex. 9 and 10, carry the results to 2 decimal places:

- | | |
|---|--|
| 1. $2\frac{1}{2} + 3\frac{2}{3} + 1\frac{3}{4} + \frac{1}{3} + 2\frac{1}{4}$ | 6. $10\frac{1}{2} \times 2\frac{1}{3}$ |
| 2. $1.2 + 2.35 + 3.005 + 4.5$ | 7. $15\frac{3}{4} \div 2\frac{5}{8}$ |
| 3. $4\frac{3}{4} + 5\frac{7}{8} - 1\frac{1}{2} - \frac{3}{4} - 2\frac{1}{8}$ | 8. $.006 \times 3.25$ |
| 4. $2.75 + 9.125 - 3.67 - 1.5$ | 9. $3870 \div 72$ |
| 5. $3\frac{2}{5} + 6\frac{3}{10} - 2\frac{1}{2} + \frac{1}{5} - 1\frac{3}{5}$ | 10. $7.484 \div 5.9$ |
| 11. $291 + 486 + 703 + 819 + 167 + 329 + 651 + 937$ | |

Find the results correct to the nearest cent:

- | | | |
|-------------------------------|---------------------------|----------------------------|
| 12. 36% of \$225 | 5% of \$790 | 41% of \$75.75 |
| 13. $33\frac{1}{3}\%$ of \$86 | 25% of \$68 | $16\frac{2}{3}\%$ of \$830 |
| 14. 240% of \$78 | 300% of \$95 | 125% of \$69.50 |
| 15. $5\frac{1}{2}\%$ of \$237 | $18\frac{1}{4}\%$ of \$60 | $53\frac{1}{2}\%$ of \$245 |

Find what per cent the first number is of the second:

- | | | |
|------------|----------|------------|
| 16. 51, 85 | 258, 387 | 1458, 2025 |
|------------|----------|------------|

Change the following to per cents:

17. $\frac{3}{4}$.16 $\frac{5}{8}$ 1.75 2 $\frac{1}{2}$
18. If 75% of a number is 81, find the number.
19. If the number of pupils in a school increases from 425 to 578, find the per cent of increase.
20. If a man's monthly salary decreases from \$175 to \$140, find the per cent of decrease.

PROMOTION TEST

1. Mr. Thompson bought an old boat for \$25. He paid \$7 to have it painted and \$15 for repairs. What was his profit if he sold the boat for \$60?

2. The Star Store is going out of business and is selling everything "at 25% off." How much will you have to pay for a tennis racket that was formerly sold at \$3.00?

3. There are 325 pupils in our school and 91 of them have not been absent this year. What per cent of the pupils have not been absent?

4. Mr. Turner borrowed \$300 from the Citizens Bank for 96 da. If the bank discounted his note at 6%, what amount did the bank give Mr. Turner? What amount did he pay back 96 da. later?

5. The pupils of the Fox School have been selling tickets for the school fair. On Monday they sold 80 tickets; on Tuesday, 70 tickets; on Wednesday, 65 tickets; and on Thursday, 58 tickets. Draw a bar graph representing these facts.

6. At 30¢ a square foot, find the cost of cementing the floor of a garage 18 ft. long and 16 ft. wide.

7. Draw a regular hexagon in a circle.

8. How many degrees are there in a right angle? Does an acute angle have more or less degrees than a right angle?

9. Tom keeps a cash account. On Jan. 1 he had \$1.46 on hand. On Jan. 2 he received \$.25 for running an errand and \$.15 selling magazines. On Jan. 4 he made \$.35 helping his uncle. On Jan. 5 he sold an old knife for \$.10. On Jan. 3 he spent \$.15 for school supplies; on Jan. 4 he paid \$.10 for ice cream; and on Jan. 5 he bought a book for \$.35. How much cash should Tom have on hand on Jan. 6? Make out Tom's account as he might keep it in an account book.