



More complex fraction problems

Find $\frac{3}{5}$ of \$30.00.

$$\text{Find } \frac{1}{5} : \$30 \div 5 = \$6$$

$$\$6 \times 3 = \$18$$

So, $\frac{3}{5}$ of \$30 is \$18

Find $\frac{7}{10}$ of 60 in.

$$\text{Find } \frac{1}{10} : 60 \text{ in.} \div 10 = 6 \text{ in.}$$

$$6 \text{ in.} \times 7 = 42 \text{ in.}$$

So, $\frac{7}{10}$ of 60 in. is 42 in.

Find $\frac{3}{5}$ of these amounts.

40 in.

\$50

\$10.50

80 yd

75 oz

45 lb

Find $\frac{7}{10}$ of these amounts.

48 yd

\$98.00

75 mi

Find $\frac{2}{3}$ of these amounts.

48 in.

120 lb

\$24.00



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So, $\frac{7}{10}$ of 60 in. is 42 in.

Find $\frac{3}{5}$ of these amounts.

40 in.

$$40 \text{ in.} \div 5 = 8 \text{ in.}$$

$$3 \times 8 \text{ in.} = 24 \text{ in.}$$

So, $\frac{3}{5}$ of 40 in. is 24 in.

\$50

$$\$50 \div 5 = \$10$$

$$3 \times \$10 = \$30$$

So, $\frac{3}{5}$ of \$50 is \$30

\$10.50

$$\$10.50 \div 5 = \$2.10$$

$$3 \times \$2.10 = \$6.30$$

So, $\frac{3}{5}$ of \$10.50 is \$6.30

80 yd

$$80 \text{ yd} \div 5 = 16 \text{ yd}$$

$$3 \times 16 \text{ yd} = 48 \text{ yd}$$

So, $\frac{3}{5}$ of 80 yd is 48 yd

75 oz

$$75 \text{ oz} \div 5 = 15 \text{ oz}$$

$$3 \times 15 \text{ oz} = 45 \text{ oz}$$

So, $\frac{3}{5}$ of 75 oz is 45 oz

45 lb

$$45 \text{ lb} \div 5 = 9 \text{ lb}$$

$$3 \times 9 \text{ lb} = 27 \text{ lb}$$

So, $\frac{3}{5}$ of 45 lb is 27 lb

Find $\frac{7}{10}$ of these amounts.

48 yd

$$48 \text{ yd} \div 10 = 4.8 \text{ yd}$$

$$7 \times 4.8 \text{ yd} = 33.6 \text{ yd}$$

So, $\frac{7}{10}$ of 48 yd is 33.6 yd

\$98.00

$$\$98 \div 10 = \$9.80$$

$$7 \times \$9.80 = \$68.60$$

So, $\frac{7}{10}$ of \$98 is \$68.60

75 mi

$$75 \text{ mi} \div 10 = 7.5 \text{ mi}$$

$$7 \times 7.5 \text{ mi} = 52.5 \text{ mi}$$

So, $\frac{7}{10}$ of 75 mi is 52.5 mi

Find $\frac{2}{3}$ of these amounts.

48 in.

$$48 \text{ in.} \div 3 = 16 \text{ in.}$$

$$2 \times 16 \text{ in.} = 32 \text{ in.}$$

So, $\frac{2}{3}$ of 48 in. is 32 in.

120 lb

$$120 \text{ lb} \div 3 = 40 \text{ lb}$$

$$2 \times 40 \text{ lb} = 80 \text{ lb}$$

So, $\frac{2}{3}$ of 120 lb is 80 lb

\$24.00

$$\$24 \div 3 = \$8$$

$$2 \times \$8 = \$16$$

So, $\frac{2}{3}$ of \$24 is \$16

Ensure that children are dividing the amount by the denominator and multiplying the result by the numerator. You could explain that we divide by the bottom to find one part and multiply by the top to find the number of parts we want.