

Worked out Solutions

1. a) $\frac{10}{25} \div 5 = \frac{2}{5}$

* directions say fraction

b) $\frac{8}{48} \div 8 = \frac{1}{6}$

2. $\frac{\$75}{5} = \$25/\text{dvd}$

* \$ goes on top

3. $\frac{300 \text{ words}}{5 \text{ min}} = 60 \text{ words/min}$

4. $\frac{\$1.25}{120 \text{¢}} \approx 10 \text{¢}$

$\frac{1.50}{160 \text{¢}} \approx 9 \text{¢}$ *

5. $15 \text{ ft} \cdot \frac{3.1 \text{ m}}{3.28 \text{ ft}} = 4.57 \text{ m}$

* directions say round to hundredths

6. $11 \text{ gal} \cdot \frac{3.79 \text{ L}}{1 \text{ gal}} = 41.69 \text{ L}$

7. $50 \text{ kg} \cdot \frac{1 \text{ lb}}{2.2 \text{ kg}} = 22.73 \text{ lb}$

8. $18 \text{ oz} \cdot \frac{28.3 \text{ g}}{1 \text{ oz}} = 509.4 \text{ g}$

9. $2 + 1.10 (\text{miles})$

miles	1	2	3	4	5
fare	3.10	4.20	5.30	6.40	7.50

10. $\frac{\$1.50}{8 \text{ oz}} = \frac{\$12.00}{1 \text{ gal} \rightarrow 64 \text{ oz}}$
 $\rightarrow \times 8$

11. $\frac{2 \text{ cm}}{3 \text{ m}} = \frac{x}{12 \text{ m}}$
 $\rightarrow \times 4$

8 cm

12. $\frac{2 \text{ in}}{5 \text{ ft}} = \frac{2 \text{ in}}{60 \text{ in}}$ same unit
 $\rightarrow \times 12 \text{ in/ft}$

$\frac{2 \text{ in}}{60 \text{ in}} \div 2 = \frac{1 \text{ in}}{30 \text{ in}}$ $\frac{1}{30}$
one on top

13. $\frac{8}{12} = \frac{x}{9}$ $\frac{72 \div 12}{6 \text{ in}}$

14. $K(2, 5) \rightarrow K'(4, 10)$
 $L(4, 2) \rightarrow L'(8, 4)$
 $M(2, 2) \rightarrow M'(4, 4)$

15.

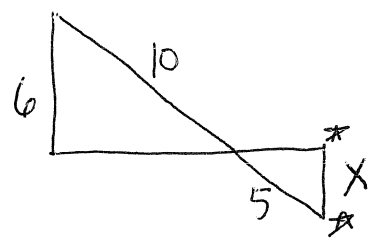
$$D(4, 16) \rightarrow D'(2, 8)$$

$$E(12, -12) \rightarrow E'(6, -6)$$

$$F(4, -8) \rightarrow F'(2, -4)$$

(H)

16.



$$\frac{6}{x} = \frac{10}{5}$$

$x = 3 \text{ yd}$