Name _____

Solving Proportions

P 6-6

Solve each proportion using any method.

1. $\frac{12 \text{ ft}}{t \text{ hr}} = \frac{20 \text{ ft}}{4 \text{ hr}}$ _____

2. $\frac{\$45.00}{2 \text{ wk}} = \frac{b}{1 \text{ wk}}$ _____

3. $\frac{65 \text{ mi}}{1 \text{ hr}} = \frac{715 \text{ mi}}{r \text{ hr}}$ _____

4. $\frac{w \text{ km}}{3 \text{ hr}} = \frac{900 \text{ km}}{30 \text{ hr}}$ _____

5. Number Sense Explain how you can tell that $\frac{35 \text{ mi}}{30 \text{ min}} = \frac{350 \text{ mi}}{300 \text{ min}}$ using mental math.

_____

_____

6. How many cups of sand would you use to make 66 c of potting soil?

_____

7. How many cups of humus would you use to make 11 c of potting soil?

_____

8. If you made an amount of potting soil that called for 78 c of sand, how many cups of humus would you need?

_____

Potting Soil for Ferns (Makes 22 c)

6 c sand
6 c loam
6 c peat moss
3 c humus
1 c dried cow manure

Test Prep

9. Which is the correct value for y?

$\frac{45 \text{ mi}}{y \text{ min}} = \frac{135 \text{ mi}}{12 \text{ min}}$

A. 4 mi **B.** 36 mi **C.** 4 min **D.** 36 min

10. Writing in Math Find a set of values for x and y to make $\frac{x}{y} = \frac{4 \text{ mi}}{32 \text{ min}}$ a proportion. Explain how you found the values.

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