

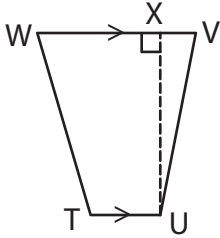
Name : _____

Area – Mixed Shapes

L3S1

Find the area of each shape. (Use $\pi = \frac{22}{7}$)

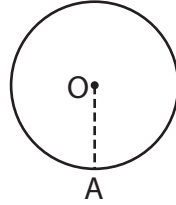
1)



$$TU = \frac{10}{7} \text{ ft}; WV = \frac{7}{2} \text{ ft}$$
$$UX = 7 \text{ ft}$$

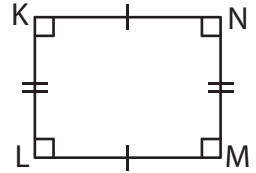
Area =

2)



$$OA = \frac{7}{2} \text{ in}$$

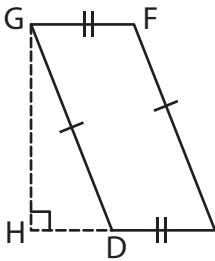
3)



$$KN = 4\frac{1}{3} \text{ yd}; NM = 3\frac{9}{13} \text{ yd}$$

Area =

4)



$$FG = 2\frac{4}{5} \text{ in}; GH = \dots$$

Area =

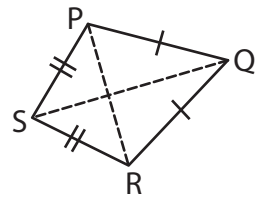
PREVIEW

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$$SQ = 4\frac{3}{8} \text{ ft}; PR = \frac{24}{7} \text{ ft}$$

Area =

7) The side of a square n

8) Find the area of the rhombus whose diagonals measure $8\frac{1}{6}$ yards and $5\frac{1}{7}$ yards.

Name : _____

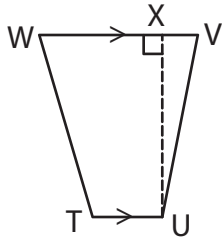
Answer key

Area – Mixed Shapes

L3S1

Find the area of each shape. (Use $\pi = \frac{22}{7}$)

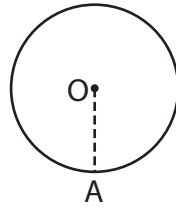
1)



$$TU = \frac{10}{7} \text{ ft}; WV = \frac{7}{2} \text{ ft}$$
$$UX = 7 \text{ ft}$$

$$\text{Area} = \frac{69}{4} \text{ or } 17 \frac{1}{4} \text{ ft}^2$$

2)



$$OA = \frac{7}{2} \text{ in}$$

PREVIEW

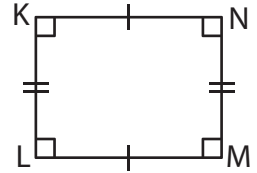
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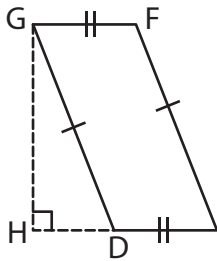
3)



$$KN = 4 \frac{1}{3} \text{ yd}; NM = 3 \frac{9}{13} \text{ yd}$$

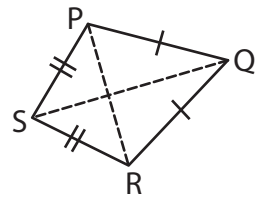
$$\text{Area} = 16 \text{ yd}^2$$

4)



$$FG = 2 \frac{4}{5} \text{ in}; GH = \dots$$

$$\text{Area} = \frac{98}{5} \text{ or } 19 \frac{3}{5} \text{ in}^2$$



$$SQ = 4 \frac{3}{8} \text{ ft}; PR = \frac{24}{7} \text{ ft}$$

$$\text{Area} = \frac{15}{2} \text{ or } 7 \frac{1}{2} \text{ ft}^2$$

7) The side of a square is

$$\frac{9}{16} \text{ square inches}$$

8) Find the area of the rhombus whose diagonals measure $8 \frac{1}{6}$ yards and $5 \frac{1}{7}$ yards.

$$21 \text{ square yards}$$