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## 8 $^{\text {th }}$ Grade Geometry Readiness: Spring Screener

Questions 1-3: Select the correct answer for each question.

1. Figure $B$ is a scaled drawing of figure $A$ with a scale factor of 5 . Find the length for figure $B$.

Figure A


O 24in
O 40 in
O 13 in
O 15 in
2. Figure $D$ is a scaled drawing of figure $C$. Find the missing length in figure $D$.

Figure C


Figure D

3. Figure $F$ is a scaled drawing of figure $E$ with a scale factor of 3 . If the area of Figure $E$ is $10 \mathrm{ft}^{2}$, then what is the area of figure F?

Figure $F$
Figure $\mathbf{E}$

Area $=10 \mathrm{ft}^{2}$
O $\quad 13 \mathrm{ft}^{2}$

O $\quad 30 \mathrm{ft}^{2}$

- $19 \mathrm{ft}^{2}$

○ $90 \mathrm{ft}^{2}$


Please stop, put your pencil down and wait for the next directions.
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# DELTA M $\triangle$ TH <br> <br> $8^{\text {th }}$ Grade Geometry Readiness: Spring 

 <br> <br> $8^{\text {th }}$ Grade Geometry Readiness: Spring}
(continued)

Questions 4-6: Select the correct answer for each question.
4. Which set of dimensions can be 3 sides of a triangle?
O $5 \mathrm{in}, 8 \mathrm{in}$, and 13 in
O $5 \mathrm{in}, 7 \mathrm{in}$, and 13 in
O 5 in, 7 in, and 12 in
O $5 \mathrm{in}, 8 \mathrm{in}$, and 12 in
5. Two dimensions of a triangle are 5 in and 11 in . Select the length that is possible for the third side of the triangle?
5 in
O 6 in
O 15 in
O 16 in
6. Two angle measures of a triangle are 35 and 60 degrees. Select the measurement that is possible for the third angle of the triangle?
O 5 degrees
O 85 degrees
O 75 degrees
O 95 degrees

STOP
Please stop, put your pencil down and wait for the next directions.
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## $8^{\text {th }}$ Grade Geometry Readiness: Spring

(continued)

Questions 7-9: Select the correct number and label for each question.
7. Find the circumference of the circle. (Use 3.14 for $\pi$.)
(Note: The figure is not drawn to scale.)

○ 25.13
○ 12.57
○ 50.27
○ 100.54
$O$ in
$\bigcirc \mathrm{in}^{2}$
$\bigcirc \quad \mathrm{in}^{3}$
8. Find the area of the circle. (Use 3.14 for $\pi$.)
(Note: The figure is not drawn to scale.)

O 113.04
○ 18.85
○ 37.7
○ 28.26
$0 \mathrm{~cm}^{2}$
○ cm
O $\mathrm{cm}^{3}$
9. Find the area of the circle. (Use 3.14 for $\pi$.)
(Note: The figure is not drawn to scale.)


O 62.8
O 31.4
○ 314
○ 78.5
$\bigcirc \mathrm{ft}^{3}$
$\bigcirc \mathrm{ft}^{2}$
$\bigcirc \mathrm{ft}$

STOP
Please stop, put your pencil down and wait for the next directions.
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# (DELTA M $\triangle$ TH <br> <br> $8^{\text {th }}$ Grade Geometry Readiness: Spring 

 <br> <br> $8^{\text {th }}$ Grade Geometry Readiness: Spring}
(continued)

Questions 10-12: Select the correct number and label for each question.
10. Find the surface area of the right prism. (Note: The figure is not drawn to scale.)

○ 234
○ 108
○ 252
○ 216
$O$ in
$0 \quad \mathrm{in}^{2}$
$0 \mathrm{in}^{3}$
11. Find the surface area of the right prism. (Note: The figure is not drawn to scale.)

○ 312
○ 216
○ 288
○ 300
$\bigcirc \mathrm{cm}^{2}$
0 cm
O $\mathrm{cm}^{3}$
12. Find the surface area of the right prism. (Note: The figure is not drawn to scale.)


○ 320
○ 384
○ 640
○ 448
$0 \mathrm{ft}^{3}$
$0 \mathrm{ft}^{2}$
$\bigcirc \mathrm{ft}$

STOP
Please stop, put your pencil down and wait for the next directions.
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## $8^{\text {th }}$ Grade Geometry Readiness: Spring

(continued)

Questions 13-15: Select the correct number and label for each question.
13. Find the volume of the right prism. (Note: The figure is not drawn to scale.)

○ 234
○ 108
○ 252
○ 216
$O$ in
O $\mathrm{in}^{2}$
0 in $^{3}$
14. Find the volume of the right prism. (Note: The figure is not drawn to scale.)

○ 312
○ 216
○ 288
O 300
$\bigcirc \mathrm{cm}^{2}$
0 cm

- $\mathrm{cm}^{3}$

15. Find the volume of the right prism. (Note: The figure is not drawn to scale.)


- 320

○ 384
○ 640
○ 448
$0 \mathrm{ft}^{3}$
$\bigcirc \mathrm{ft}^{2}$
0 ft

STOP
Please stop, put your pencil down and wait for the next directions.
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