Math worksheet on *'Area of a Circle Sector From Fraction to Area (Equation) (Level 3)'*. Part of a broader unit on *'Geometry - Circle Area, Sectors and Donuts - Intro'*

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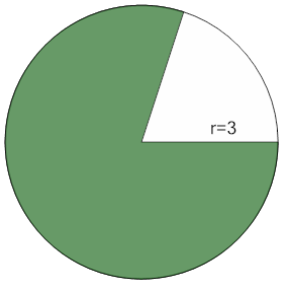
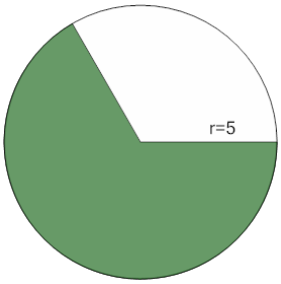
1



Find the area (in terms of π) of the green shaded sector that covers 4/5 of the circle with radius 3

a	12π	**b**	$\frac{21}{5}\pi$
c	$\frac{42}{5}\pi$	**d**	$\frac{36}{5}\pi$
e	$\frac{12}{5}\pi$		

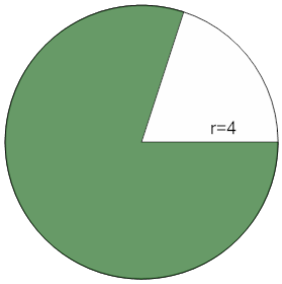
2



Find the area (in terms of π) of the green shaded sector that covers 2/3 of the circle with radius 5

a	5π	**b**	$\frac{10}{3}\pi$
c	25π	**d**	$\frac{50}{3}\pi$
e	30π		

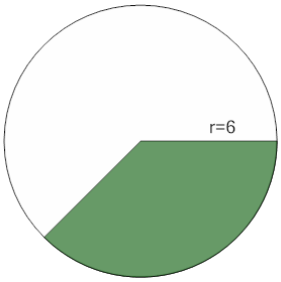
3



Find the area (in terms of π) of the green shaded sector that covers 4/5 of the circle with radius 4

a	$\frac{58}{5}\pi$	**b**	$\frac{28}{5}\pi$
c	8π	**d**	$\frac{64}{5}\pi$

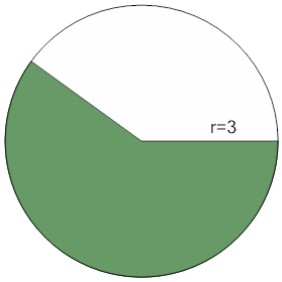
4



Find the area (in terms of π) of the green shaded sector that covers 3/8 of the circle with radius 6

a	$\frac{47}{2}\pi$	**b**	11π
c	6π	**d**	$\frac{79}{4}\pi$
e	$\frac{27}{2}\pi$		

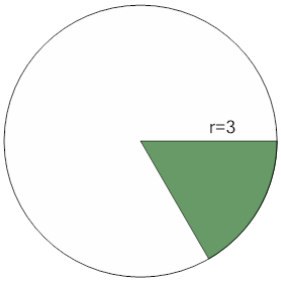
5



Find the area (in terms of π) of the green shaded sector that covers 3/5 of the circle with radius 3

a	$\frac{19}{5}\pi$	**b**	$\frac{37}{5}\pi$
c	$\frac{43}{5}\pi$	**d**	$\frac{27}{5}\pi$
e	3π		

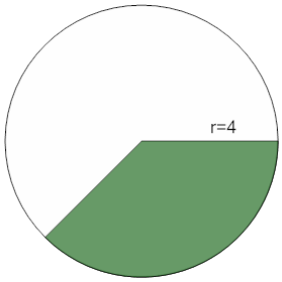
6



Find the area (in terms of π) of the green shaded sector that covers 1/6 of the circle with radius 3

a	$\frac{1}{6}\pi$	**b**	1π
c	$\frac{3}{2}\pi$	**d**	$\frac{11}{6}\pi$

7



Find the area (in terms of π) of the green shaded sector that covers 3/8 of the circle with radius 4

a	$\frac{15}{2}\pi$	**b**	$\frac{13}{2}\pi$
c	1π	**d**	6π
e	$\frac{5}{2}\pi$		