



Instructions: Answer the following questions. When you have an answer, cross it off from the grid. If your answer is not there, try the question again! If your answer appears more than once, cross them all off. When you have finished all of the questions, some letters will remain. Rearrange these to make the name of a film.

1 Simplify

a $\sqrt{7} \times \sqrt{7}$

b $4\sqrt{5} \times \sqrt{5}$

c $(3\sqrt{3})^2$

d $(\sqrt{6})^4$

e $(\sqrt{2})^5$

f $(2\sqrt{3})^3$

g $\sqrt{2} \times \sqrt{8}$

h $2\sqrt{3} \times \sqrt{27}$

i $\frac{\sqrt{32}}{\sqrt{2}}$

j $\frac{\sqrt{3}}{\sqrt{12}}$

k $(\sqrt[3]{6})^3$

l $(3\sqrt[3]{2})^3$

2 Express in the form $k\sqrt{2}$

a $\sqrt{18}$

b $\sqrt{50}$

c $\sqrt{8}$

d $\sqrt{98}$

e $\sqrt{200}$

f $\sqrt{162}$

3 Simplify

a $\sqrt{12}$

b $\sqrt{28}$

c $\sqrt{80}$

d $\sqrt{27}$

e $\sqrt{24}$

f $\sqrt{128}$

g $\sqrt{45}$

h $\sqrt{40}$

i $\sqrt{75}$

j $\sqrt{112}$

k $\sqrt{99}$

l $\sqrt{147}$

m $\sqrt{216}$

n $\sqrt{800}$

o $\sqrt{180}$

p $\sqrt{60}$

q $\sqrt{363}$

r $\sqrt{208}$

4 Simplify

a $\sqrt{18} + \sqrt{50}$

b $\sqrt{48} - \sqrt{27}$

c $2\sqrt{8} + \sqrt{72}$

d $\sqrt{360} - 2\sqrt{40}$

e $2\sqrt{5} - \sqrt{45} + 3\sqrt{20}$

f $\sqrt{24} + \sqrt{150} - 2\sqrt{96}$

B 1	D 7	R $3\sqrt{3}$	S $4\sqrt{13}$	E 12	G $4\sqrt{7}$	E $7\sqrt{7}$
M $2\sqrt{10}$	A $-\sqrt{3}$	S $6\sqrt{5}$	D $2\sqrt{6}$	U $11\sqrt{3}$	L 36	P 4
K 0.3	C $7\sqrt{3}$	C $-2\sqrt{2}$	A $2\sqrt{15}$	H $8\sqrt{2}$	W $5\sqrt{5}$	K $5\sqrt{3}$
F $\sqrt{13}$	W $24\sqrt{3}$	V $-\sqrt{6}$	H $9\sqrt{11}$	L $8\sqrt{2}$	B $\sqrt{3}$	T 9
P $6\sqrt{6}$	X 6	N $20\sqrt{2}$	V 20	E $3\sqrt{11}$	J 27	N $4\sqrt{2}$
F $3\sqrt{5}$	O $2\sqrt{2}$	R $\sqrt{50}$	A $4\sqrt{5}$	U $21\sqrt{3}$	E $2\sqrt{3}$	T $2\sqrt{7}$
M 54	N $3\sqrt{2}$	Z $5\sqrt{2}$	L $2\sqrt{2}$	Y $7\sqrt{2}$	I $10\sqrt{2}$	T $\sqrt{11}$
U $3\sqrt{13}$	Y 18	A $9\sqrt{2}$	T $4\sqrt{3}$	I 0.5	O $-4\sqrt{2}$	M 7

The remaining letters:

The film: